

Date: Mon, 29 Nov 93 04:30:34 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #116
To: Ham-Equip

Ham-Equip Digest Mon, 29 Nov 93 Volume 93 : Issue 116

Today's Topics:

 Alinco
 All
 Dead BP-81/82 wanted
 FT 530 - mods...
 handhelds at hi school
 Heliax for sale!
 Indestructable HTs?
 Kenwood TS-440-S For Sale
 kenwood TS450S software
 RF Tubes
 SSB VHF/UHF portable equipment info needed??
 TenTen Scout 555 or Yaesu FT-747GX?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 28 Nov 1993 18:50:02 GMT
From: swrinde!cs.utexas.edu!howland.reston.ans.net!darwin.sura.net!
gatekeeper.es.dupont.com!esds01.es.dupont.com!
COLLINST%esvx19.es.dupont.com@network.ucsd.edu
Subject: Alinco
To: ham-equip@ucsd.edu

In article <CH0t2v.ItF@acsu.buffalo.edu>, opnpaul@ubvms.cc.buffalo.edu (Paul
Francavilla) writes:

>

> Does anybody have any information on the Alinco HT (I believe

>the model is DJ160 or Dj180).

>

> Thanks in advance.

>

> Paul Francavilla

> (N2SUI)

I have a DJ-160, it is the 2 meter version. What info exactly do you need.....(the manual is too big to type it all in here :-)).

73, Tom WI3P collinst@esvax.dnet.duPont.com or collinst@world.std.com

"Shutup and sit down you moron!"...Ben Stern

*** MY EMPLOYER DOESN'T SPEAK FOR ME NOR I FOR THEM ***

Date: Sat, 27 Nov 1993 20:50:05 GMT

From: paperboy.ids.net!anomaly.sbs.com!chowda!dennis.bernier@uunet.uu.net

Subject: All

To: ham-equip@ucsd.edu

Hello Dobbs,

Guess we missed each other on Fri. I was listening most of the day, but spent some time going to the new BJ's in So.Attleboro. You've gotta get there... talk about cheap food.

Anyway, yes, I contacted everybody about the power supplies. Nothing yet, but at least I am a lot more familiar with that SLMR program now and how to get around it.

Cleaned the gutters on the garage today and also filled up 5 bags with leaves and it still looks like we haven't raked.

So, what's up on your end? Are you still looking for another apt?

If you've got a chance, give me a call on .985 tonight after 7:00.

73, Dennis

Date: Sat, 27 Nov 1993 08:04:42 GMT

From: munnari.oz.au!spool.mu.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!

newsrelay.iastate.edu!news.iastate.edu!sknapp@network.ucsd.edu

Subject: Dead BP-81/82 wanted

To: ham-equip@ucsd.edu

I am intrested in tearing apart a Icom 80 series battery pack to make a sturdy way to connect my 2SAT into my car. Because I would like to

keep this small and inexpensive I decided I would check the net for people who might have an old (or unused) BP-81 or BP-82 that they would be willing to sell for \$10 or so before using a new or working pack.

I would also consider trading my working BP-82 for a dead pack.

Please Email if you are intrested.

-Steve

Steven M. Knapp	Computer Engineering Senior
sknapp@iastate.edu	Vice President Cyclone Amateur Radio Club
Iowa State University; Ames, IA; USA	Durham Center Operations Staff

Date: Thu, 25 Nov 1993 17:23:21 GMT
From: hearst.acc.Virginia.EDU!murdoch!nomad.acs.Virginia.EDU!jeg7e@uunet.uu.net
Subject: FT 530 - mods...
To: ham-equip@ucsd.edu

In article <2cf46ee3@fbi.ct.se>,
Stefan Andersson <stefan_andersson@fbi.ct.se> wrote:
>The modification of the FT530 that I have makes the 530 transmit between
>400 to 500Mc and on the lower band.
>
>Why any limits at all? There's got to be a mod which "opens" the
>transceiver totally just like the other Yaesus.
>True or false?

There is a thing called 'physics' that limits the ability of the radio to lock on frequency and rx/tx too far out of band. The mods available for the microprocessor extend the capability of the radio to tune to a larger band spread than this physical limitation. You're not missing a thing. And, this paragraph text seems to have become justified, Neato!

--
Any opinions expressed herein are not intended to be construed as those of UVA

\\ \ /	Jon Gefaell, Computer Systems Engineer Amateur Radio - KD4CQY
\\ \ /	Netware Systems Group, USD/ITC - Carruthers -Will syscon for food-
\\ /	The University of Virginia, Charlottesville Hacker@Virginia.EDU

"The thought of suicide is a great source of comfort; with it a calm passage is to be made across many a bad night." Friedrich Wilhelm Nietzsche (1886)

Date: 27 Nov 1993 17:59:04 GMT
From: swrinde!sdd.hp.com!col.hp.com!bobw@network.ucsd.edu
Subject: handhelds at hi school
To: ham-equip@ucsd.edu

BRIAN OAKLEY (brian.oakley@pubcon.fort-worth.tx.us) wrote:

: radio shack also sells radios for use in the gmrs service, ie vhf
: mobile uses. they can be used by anyone that will least them repeater
: space or they can apply for a specific frequency if it isnt being used,
: or use in interant frequency <low power in between standard channels>
: if okayed by fcc. dont blame radio shack for its unwillingness to
: police the radio bands when they are within their rights to sell the
: radios. if you had a handheld you wanted to sell and someone offered
: you a thousand dollars, i dont think i would ask to see a license as
: long as the buyer was made aware what the requirements were to use the
: radio. its a big bad business world out there, anyone wanna buy my
: frequency for 1000 dollars? <g>. 73 wb5kxw

You are confusing the General Mobile Radio Service (GMRS) and the Business Radio Service. GMRS is UHF only and does require a license <period>. Radio Shack (and others) sell low cost GMRS transceivers. They also sell VHF radios set up on the "itinerant" business band frequencies (151.625, ...). These radios also require a license. Business band can also include UHF, but these radios don't seem to be quite so prevalent, at least not at Rad Shack.

Give a listen on 151.625 and you will hear all kinds of communications, mostly unidentified and (I presume) unlicensed.

IMHO Radio Shack should be sure to inform the user that a license is required. (I believe that the license form is generally included with the radio, but....). RS, of course, can't guarantee that the radio is used properly.

These same type of radios (GMRS and itinerant Business band) are showing up in all kinds of catalogs from outdoor products companies to computer equipment suppliers ("handheld communications for use when setting up cabling for LANs"). Most of these companies are doing a poor job of communicating the license requirements. :-(

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

Date: 28 Nov 1993 11:15:58 -0500
From: swrinde!sgiblab!spool.mu.edu!caen!destroyer!news1.oakland.edu!w8hd!w8hd!not-

for-mail@network.ucsd.edu
Subject: Heliac for sale!
To: ham-equip@ucsd.edu

For sale:

A *great deal* of Andrew Heliac (tm) and Cablewave Flexwell (virtually identical) cable.

I have 1/2", 7/8", 1-1/4", 1-5/8", 3" and 5" available. Connectors (new and used) available as well.

Numerous short (30-50') lengths, plenty of longer lengths as well.

Cable is mostly new, typically end tails. Used sections available.

If your'e interested, e-mail with your requested size, length, and condition (new, used, etc) and I will quote you a price. Shipped via UPS from southeastern Michigan.

--

kenh@w8hd.org
Ken Hoehn - Teletech, Inc. Compuserve: 70007,2374
N8NYO P.O.Box 924 FAX: (313) 562-8612
 Dearborn, MI 48121 VOICE: (313) 562-6873

Date: Wed, 24 Nov 1993 14:07:12 GMT
From: netcomsv!netcom.com!greg@decwrl.dec.com
Subject: Indestructable HTs?
To: ham-equip@ucsd.edu

In article <2cu017\$f5o@crchh941.bnr.ca> kharker@bnr.ca (Kenneth E. Harker) writes:

>

> I am wondering about something... what's the most "indestructable"
> HT available? Is there one that could withstand not just being dropped,

For abuse, I think you can't beat (ahem) Motorola public-safety gear. Particularly the older units are really tough. I've seen them dropped, crushed, immersed, and everything else, and their the "Timex" of HTs.

If you can find a surplus unit and pull it into 2-Meters (narrow band, of course), you couldn't do much better.

As things have gotten smaller, they've gotten more delicate, naturally.

Check, also, with a commercial radio shop in your area. It might be expensive, but they probably can order/program you a ham-band version of a ruggedized HT.

Greg

Date: Fri, 26 Nov 1993 14:29:57 GMT
From: netcomsv!netcom.com!toddwulf@decwrl.dec.com
Subject: Kenwood TS-440-S For Sale
To: ham-equip@ucsd.edu

Kenwood TS-440-S with 200 watt power supply for saale. Aanyy offers?

--

toddwulf@netcom.com

Date: Sun, 28 Nov 1993 17:59:07 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!xlink.net!
scsing.switch.ch!swidir.switch.ch!univ-lyon1.fr!stdin.gatelink.fr.net!
lvds@network.ucsd.edu
Subject: kenwood TS450S software
To: ham-equip@ucsd.edu

Hi,

A friend of mine looks for software to control a kenwood TS450S with a computer. I looked at an internet ftp site but have not been able to find such software.

could somebody tell me if this exist and where i could ftp it ?
Please, reply by mail to lvds@stdin.gatelink.fr.net
Thanks.

Cheers, Laurent.

Date: Wed, 24 Nov 93 00:49:28 GMT
From: nnntp.ucsb.edu!mustang.mst6.lanl.gov!nnntp-server.caltech.edu!
elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!howland.reston.ans.net!

newsserver.jvnc.net!a3bee2.radnet.com!cyphyn!randy@network.ucsd.
Subject: RF Tubes
To: ham-equip@ucsd.edu

Mark Willis (willis@lsil.com) wrote:

:
:

hmmm invisable RF tubes!

I'm interested...try again

--

Randy KA1UNW	If you get a shock while	
	servicing your equipment,	"Works for me!"
randy@192.153.4.200	DON'T JUMP!	-Peter Keyes
	You might break an expensive tube!	

Date: Sun, 28 Nov 1993 16:48:48 GMT
From: yuma!galen@purdue.edu
Subject: SSB VHF/UHF portable equipment info needed??
To: ham-equip@ucsd.edu

In article <1993Nov28.040110.14821@gsm001.mendelson.com>
gsmlrn@gsm001.mendelson.com (Geoffrey S. Mendelson) writes:
>In article <1993Nov23.185148.12424@news.uiowa.edu>
> mau@herky.cs.uiowa.edu (Napoleon Mau) writes:
>>I am looking for info on SSB VHF/UHF equipment that can be used
>>for portable operation.
>
>Although in the past several companies made ht's and ht like units that had
>fm and ssb, as far as I know the only current production models are the
>Yaesu "mark II" series. There is one for 2m (the 290r mark II) one for 430/440
>and one for 6 meters.
>Geoffrey S. Mendelson N3OWJ (215) 242-8712 gsm@mendelson.com

j-com carries the Mizuho SSB/CW HT's, models from 80 to 6m (no 10 or 12m
versions on my lit). Output is 2 watts.
j-com 408-335-9120
Box 194
Ben Lomond, CA 95005

Also, Tokyo Hi-Power Has a 40/15/6m HT, covers all of 40 and 15m and 50.0-
50.5 on 6m, 3/3/2 watts out, CW and SSB.
from:

Orion Business International 209-432-4155
360 W. Bedford Ave, Ste 111
Fresno, CA 93711

Galen, KF0YJ

Date: 22 Nov 1993 20:43:07 GMT
From: olivea!korie!newscast.West.Sun.COM!abyss.West.Sun.COM!sunspot!
myers@uunet.uu.net
Subject: TenTen Scout 555 or Yaesu FT-747GX?
To: ham-equip@ucsd.edu

In article 01H5KRQZ0HAQ8YBIW5@stthomas.edu, JBEVERMAN@stthomas.EDU () writes:
>At the end of the Summer, I received information from Ten-Tec about the Scout
>555. At the time, I was debating whether a Scout 555 or a Yaesu FT-747GX should
>be the next toy for the automobile. In the end, I decided to wait, but kept
>the literature. Below are the specs I received from Ten-Tec, current at least
>as of August, 1993:

[Edited]

>*Receiver*
>Sensitivity: 0.35 uV typical for 10 dB @ 2.4 KHz bandwidth
>Selectivity: "Jones" 8 pole crystal filter front panel adjustable 500 Hz
> to 2.4 KHz
>Dynamic Range: 85 dB @ 2.4 KHz bandwidth at 20 KHz spacing
>Third Order Intercept: +1 dBm
>Noise Floor: -126 dBm typical
>S-Meter: Calibrated for 50 uV at S9
>I-F Frequency: 6.144 MHz
>Noise Blanker: Optional plug-in board
>Audio: 1 watt @ 8 ohms with less than 2% distortion
>Speaker: 3 inch (7.6 cm)

>-----
>These are all Ten-Tec's figures, and as I have nothing to do with Ten-Tec, all
>I can verify is my typing. :-) A quick look at the FT-747GX's claimed numbers
>shows that the receiver is a little *more* sensitive (0.25 uV as opposed to
>0.35 uV for the Scout). This might all be moot, however, as Yaesu doesn't
>advertise the noise floor of the 747's receiver. Even so, going only by
>Ten-Tec's numbers, this radio is their least sensitive model. (Argo II and
>Delta II claim 0.25 uV; Paragon and Omni IV claim 0.15 uV).

OK... I looked up an old message which summarized QST lab test results for a
number of receivers, and the FT-747GX had the following test results:

MDS: -136dBm
IMD Dynamic Range: 90dB
Blocking Dynamic Range: 109.5dB
Third Order Intercept: -1dBm

The Ten-Tec spec for Dynamic Range looks like a blocking dynamic range spec, and is 5dB poorer. The third order intercept is very similar. As the specs indicate, the 747 is somewhat more sensitive.

I've always been rather impressed with the performance of the 747 front end, considering it is an econo-box with many features. The 747 front end consists of an elliptic 5th order (or 7?) low pass filter with a corner frequency of 30Mhz and a zero (null) located directly on the 47Mhz first IF. Then there is a deck of diode-switched elliptic band-pass filters, again about 5th order, then an active JFET singly-balanced mixer. The mixer feeds a 47Mhz crystal filter... Not a bad design at all...

I'd be interested in seeing the ARRL test specs for the 555, since this comparison here is between published specs and lab test results. If Ten-Tec is conservative, then maybe the Scout 555 will look better in the lab. If the Ten-Tec specs are optimistic, then the advantage will be even stronger for Yaesu.

* Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer *
* This Extra supports the abolition of the 13 and 20 WPM tests *

End of Ham-Equip Digest V93 #116

